

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-009660**Date Inspected:** 06-Oct-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Mr. Chen ying xin**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Tower**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance(QA) Inspector, Baskar Govindarajan, was present during the times noted above for observations relative to the work being performed.

Machining area

1.This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 066479 perform SMAW surface repair welding on, East tower, lift 3, skin E. ZPMC CWI Identified as Mr. An qing xiang . The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-345-SMAW-3G (3F)-Repair.

Bay -10

2.This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 056364 perform SMAW welding on, Spare strut flange to web, Weld joint no. ND1-A 6002-7-12B. ZPMC CWI Identified as Mr. Chen ying xin . The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-2212-TC-U5B-1.

3. This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 040252 perform SAW welding on, spare strut flange plate, Weld joint no. ED1-STSA3-2-99M-1-1B. ZPMC CWI Identified as Mr. Chen ying xin. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-4221-B-U3C-S-1.

WELDING INSPECTION REPORT

(Continued Page 2 of 2)

Trial assembly area

4.This QA inspector, Baskar Govindarajan, witnessed, ABF personnel's performing Magnetic particle examination in 65, 68, 71, 74 mtr. Elevation of South tower, Lift 2 and 28 mtr. Elevation in East tower, Lift 1. All indications marked by ABF personnel's have been noted down in respective weld maps for record.

Magnetic Particle Testing:

This QA inspector performed Magnetic Particle Testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated a TL-6028 MT report for this date. The member is identified as East tower, Lift 2, Cowling plate and access opening door plate, The weld designation reviewed is as follows:

ESD1-SA 300 B/F -6 – For closing NCR

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

No relevant conversations.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Serge, Sinevod - 134-8257-0045, who represents the Office of Structural Materials for your project.

Inspected By:	Baskar,Govindarajan	Quality Assurance Inspector
Reviewed By:	Clifford,William	QA Reviewer
